



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**United Enertech Corp.**  
**3005 South Hickory Street**  
**Chattanooga, TN 37407**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Model VV-10-D Aluminum Louver with or without CD-151 Damper**

**APPROVAL DOCUMENT:** Drawing No. **15-027**, titled "VV-10-D Aluminum Louver w/ or w/o CD-151 Damper Assembly", sheets 1 through 7 of 7, dated 03/16/2015, with revision 2 dated 01/19/2016, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**LIMITATION:** This louver has not been evaluated for compliance with the impact testing standard ANSI/AMCA 540.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises **NOA # 16-0209.14** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
11/02/2016

NOA No. 16-1013.13  
Expiration Date: August 18, 2020  
Approval Date: November 10, 2016  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 16-0209.14”**

1. Drawing No. **15-027**, titled “VV-10-D Aluminum Louver w/ or w/o CD-151 Damper Assembly”, sheets 1 through 7 of 7, dated 03/16/2015, with revision 2 dated 01/19/2016, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

**B. TESTS “Submitted under NOA # 05-0314.02”**

1. Test report of Uniform Static Air Pressure Test per FBC, TAS 202-94, Large Missile Impact Test per FBC, TAS 201-94 and Cyclic Wind Pressure Loading per FBC, TAS 203-94 on a 144” x 96” aluminum louver system with damper prepared by American Test Lab of South Florida, Test Report No. **0203.01-05**, dated 03/10/2005, signed and sealed by W. R. Mehner, P.E. and H. Hattem, P.E.
2. Test report of Wind Driven Rain Resistance per TAS 100(A)-95 on a VV-10-D Louver w/ CD151 Parallel Blade Damper, prepared by PRI Asphalt Technologies, Inc, Test Report No. **PRI05014**, dated 02/08/2005, signed and sealed by C. L. Thomas, P.E.
3. Test report of Tensile Test per ASTM E-8 of 6 samples, Test Report No. **5BM-187**, dated 03/07/2005, and signed by Frank Grate.

**C. CALCULATIONS “Submitted under NOA # 09-0203.10”**

1. Anchoring calculations, prepared by Tilteco Inc, dated 01/13/2009, sheets 1 through 3 of 3, complying with F.B.C. 2007, signed and sealed by Walter A. Tillit Jr., P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS “Submitted under NOA # 15-0420.05”**

1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC issued by Tilteco, Inc, dated 03/31/2015, signed and sealed by Walter A. Tillit Jr., P.E.

**“Submitted under NOA # 12-0120.07”**

2. Statement letter of code conformance to 2010 FBC issued by Tilteco, Inc., dated 01/16/2012, signed and sealed by Walter A. Tillit, Jr., P.E.

**“Submitted under NOA # 05-0314.02”**

3. Letter of no financial interest issued by Tilteco, Inc., dated 02/28/2005, signed and sealed by Walter A. Tillit, Jr., P.E.



11/02/2016

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 16-1013.13

Expiration Date: August 18, 2020  
Approval Date: November 10, 2016

GENERAL NOTES:

1.) W-10-D ALUMINUM LOUVER SYSTEM W/ OR W/O CD-151 DAMPER SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2014 (5th EDITION) OF THE FLORIDA BUILDING CODE. THIS ALUMINUM LOUVER SYSTEM W/ OR W/O DAMPER MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-10 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

ALUMINUM LOUVER SYSTEM W/ OR W/O DAMPER'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER AMERICAN TESTING LAB REPORT #0203.01-05, AS PER TAS-201, TAS-202, TAS-203, AS WELL AS PER ANSI/AMCA IMPACT STANDARD 540, PER INTERTEK/ARCHITECTURAL TESTING REPORT # F 3136.01-550-44 & PRI TECHNOLOGIES LAB REPORT #UEC-001-02-01, PER TAS-100A (WIND DRIVEN RAIN, EXCEEDS ANSI/AMCA 550-09 STANDARD)

2.) ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY W/ MIN. SPECIFIC YIELD STRENGTHS AS SHOWN ON SHEET 2.

3.) ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT CARBON STEEL AS PER DIN 50018 AND SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

4.) ALL WELDING OF ALUMINUM FRAMING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE CERTIFIED WELDERS. USE ER-5356 ELECTRODES.

5.) ANCHORS TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 6):

(A) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER. E.D. IS BEYOND ANY WALL FINISH.

ANCHOR TYPE	MANUFACTURER	DIAMETER OR GAGE	MIN. EMBEDMENT				MIN. EDGE DISTANCE (E.D.)		
			TO CONCRETE (f'c=3192 psi) MIN.	TO CONCRETE BLOCK ASTM (C-90 UNIT)	TO 1/8" MIN. STEEL Fy=33 ksi (MIN.)	TO WOOD (G ≥ 0.55)	CONCRETE OR CONCRETE BLOCK	STEEL	WOOD
TAPCONS	ITW/ BUILDEX	1/4"	1-3/4"	1-1/4"	N/A	1 1/2"	3"	N/A	2"
TEK SCREWS	ITW/ BUILDEX	1/4"	N/A	N/A	3/4"	N/A	N/A	1"	N/A

6.) W-10-D ALUMINUM LOUVER SYSTEM W/O CD-151 DAMPER SHALL ONLY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.

7.) W-10-D ALUMINUM LOUVER SYSTEM W/ CD-151 DAMPER MAY BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, OR THE ROOM WILL HOUSE NON-WATER RESISTANT EQUIPMENT, COMPONENTS, OR SUPPLIES. INSTALLATION ON LOUVER W/ DAMPER IS LIMITED TO 40 FT IN HEIGHT ACCORDING TO TABLE 3 OF TAS 100(A)-95.

8.) CD-151 DAMPER IS AN OPERABLE ASSEMBLY. IT MAY BE OPERATED BY MEANS OF A HAND QUADRANT HANDLE MECHANISM (AS SHOWN ON SHEET 7) OR THROUGH AN ELECTRICAL OR PNEUMATIC ACTUATOR. DAMPER'S OPERATIVE MECHANISM IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

9. ALL ALUMINUM IN CONTACT W/DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2, 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

10.) IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE LOUVER SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.

11.) (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.

(E) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

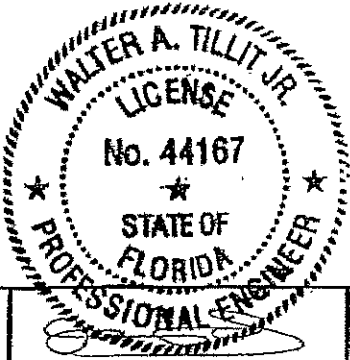
12). PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1710.8.3 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1710.8.2 OF THE FLORIDA BUILDING CODE.

A.S.D. DESIGN PRESSURE RATING:  
+150, -150 psf.

THIS DRAWING SHALL ONLY BE USED TO  
OBTAIN PERMITS IN THE STATE OF FLORIDA

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-1013.13**  
Expiration Date **08/18/2020**  
By *[Signature]*  
Miami-Dade/Product Control


FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

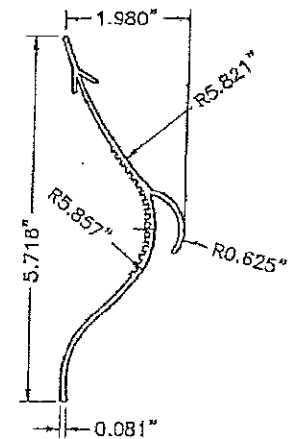


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-0209.14**  
Expiration Date **08/18/2020**  
By *[Signature]*  
Miami-Dade/Product Control  
MIAMI-DADE COUNTY

P.E. SEAL/SIGNATURE/DATE

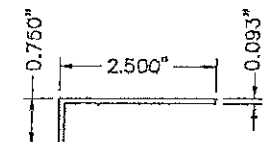
© 2015 TILTECO, INC.  
**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
4305 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone: (305)871-1530, Fax: (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr., P.E.  
FLORIDA Lic. # 44167

W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY						DRAWN BY: F.R.L.
 3005 South Hickory Street Chattanooga, TN 37407 Telephone: (423)888-7715						03/16/15 DATE
						15-027 DRAWING No
REV. No.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE	SHEET 1 OF 7
1	OLD 14-100	03/16/15	3			
2	NOTE 1: AMCA	01/10/16	4			



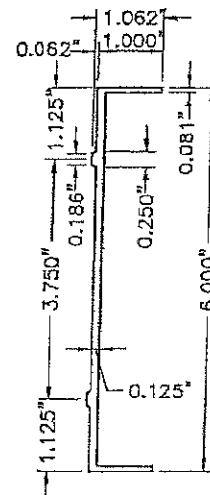
**1L VERTICAL BLADE**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)  
Fy(MIN.)=31.6 ksi



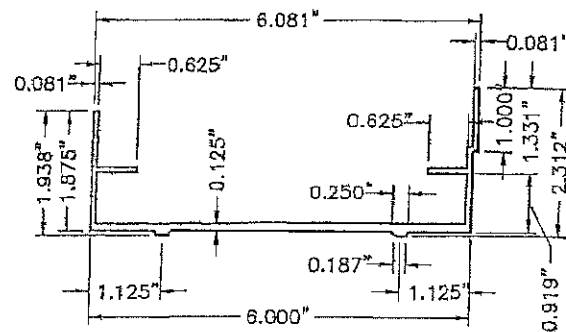
**4L 1ST BLADE BLANK-OFF**

MATERIAL:  
FORMED ALUMINUM  
(6063-T5 ALUMINUM ALLOY)



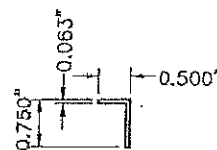
**2L JAMB & HEAD**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)  
Fy(MIN.)=25.3 ksi



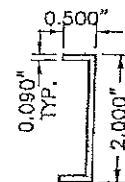
**3L SILL**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)  
Fy(MIN.)=32.7 ksi



**5L BLADE'S SPACER**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)



**6L ALUM. CHANNEL**

MATERIAL:  
FORMED ALUMINUM  
(6063-T5 ALUMINUM ALLOY)

**7L BLANK-OFF PANEL**

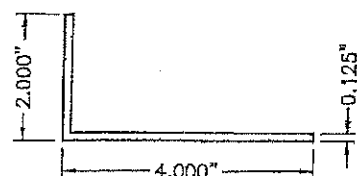
3 3/4" X .093" CONT ALUM. PLATE  
(6063-T5 ALUMINUM ALLOY)

**8L BLANK-OFF PANEL**

3 1/8" X .093" CONT ALUM. PLATE  
(6063-T5 ALUMINUM ALLOY)

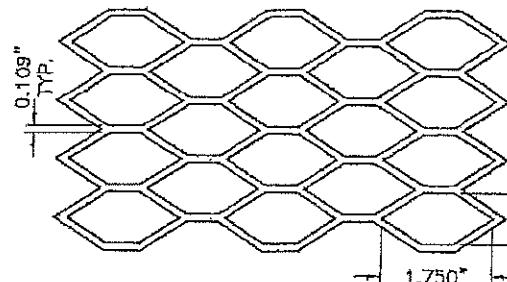
**9L COVER STRIP**

2" X 1/8" X 92" MAX. ALUM. PLATE  
(6063-T5 ALUMINUM ALLOY)



**10L TOP & BOTTOM ALUM. ANGLE**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)



**11L REAR MESH**

MATERIAL:  
NOMINAL 3/4"x0.050" THICK (0.17 lb/SQ. FT)  
(3003-H14 ALUMINUM ALLOY)

## VV-10D LOUVER COMPONENTS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-1013.13**

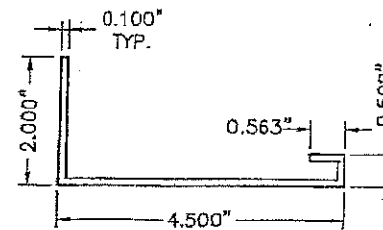
Expiration Date **08/18/2020**

By *[Signature]*  
Miami-Dade Product Control

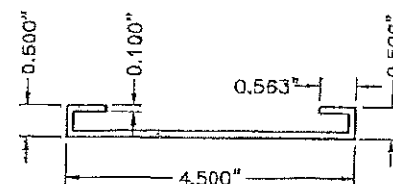
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as complying with the Florida  
Building Code  
NOA-No. **16-0209.14**

Expiration Date **08/18/2020**

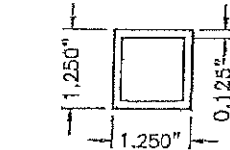
By *[Signature]*  
Miami-Dade Product Control  
MIAMI-DADE COUNTY



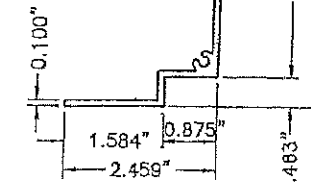
**1D HEAD & SILL**



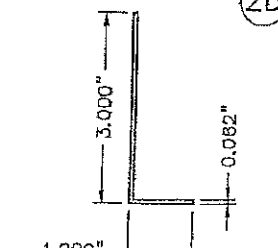
**7D MID-HEIGHT HEAD or SILL**



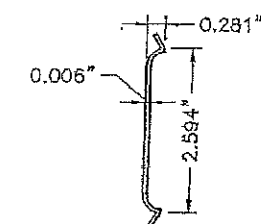
**1I INTERMEDIATE TUBE FRAME**



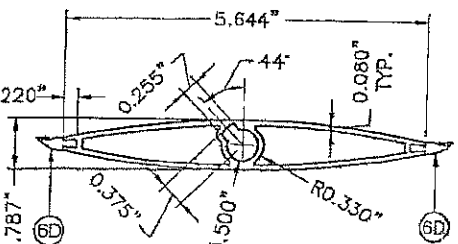
**2D JAMB**



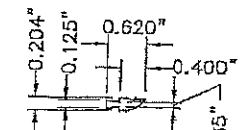
**8D ALUM. ANGLE BLADE STOP**



**9D JAMB SEAL**



**3D DAMPER BLADE**



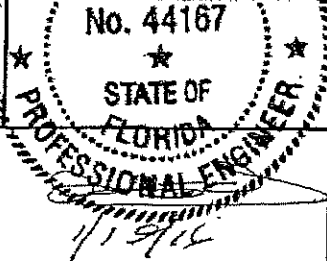
**6D BLADE SEAL**

## CD-151 DAMPER AND INTERMEDIATE TUBE FRAME COMPONENTS

(EXCLUDES COMPONENTS FOR OPERATIVE MECHANISM, SEE NOTE 8/1)

### BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	SIZE	REMARKS
1D	EXTRUDED ALUM HEAD & SILL	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=33.4 ksi
2D	EXTRUDED ALUM JAMB	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=31.6 ksi
3D	EXTRUDED ALUM DAMPER BLADE	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=31.8 ksi
4D	BUSHING	BRONZE	1/2" I.D.(5/8" O.D.)x1/4"	0.059" THICK @ WASHER SIDE
5D	AXLE PIN	ZAMAC No. 3 ZINC	1/2"x3 1/8"	WITH NYLON WASHER & LOCK RING
6D	BLADE SEAL	SILICONE	SEE DETAIL	ASTM D-2000, 60-65 DUROMETER
7D	MID-HEIGHT EXTRUDED ALUM. HEAD or SILL	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=29.8 ksi
8D	ALUM. ANGLE BLADE STOP	6063-T5 ALUMINUM ALLOY	SEE DETAIL	WITH VINYL WEATHER STRIP AT END OF 3" LEG
9D	JAMB SEAL	STAINLESS STEEL 316 SERIES	SEE DETAIL	ATTACHED TO 2D W/(3) DOUBLE SIDED (1"x1/8") TAPES
10D	TOP & BOTTOM ALUM. ANGLE	ZINC PLATED STEEL	1/4"x1" LONG	FASTEN TO 8D @ 12" O.C., 2 1/2" FROM ENDS
11D	REAR MESH	6063-T5 ALUMINUM ALLOY	SEE DETAIL THIS SHEET AND SHEET 5.	Fy(MIN.)=31.9 ksi INSTALL BETWEEN DAMPER & LOUVER FRAME.



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**TILTECO INC.**  
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Phone: (305)871-1530 • Fax: (305)871-1531  
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WALTER A. TILLIT Jr. P.E.  
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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

W-10-D ALUMINUM LOUVER W/ OR  
W/O CD-151 DAMPER ASSEMBLY

DRAWN BY:  
F.R.L.

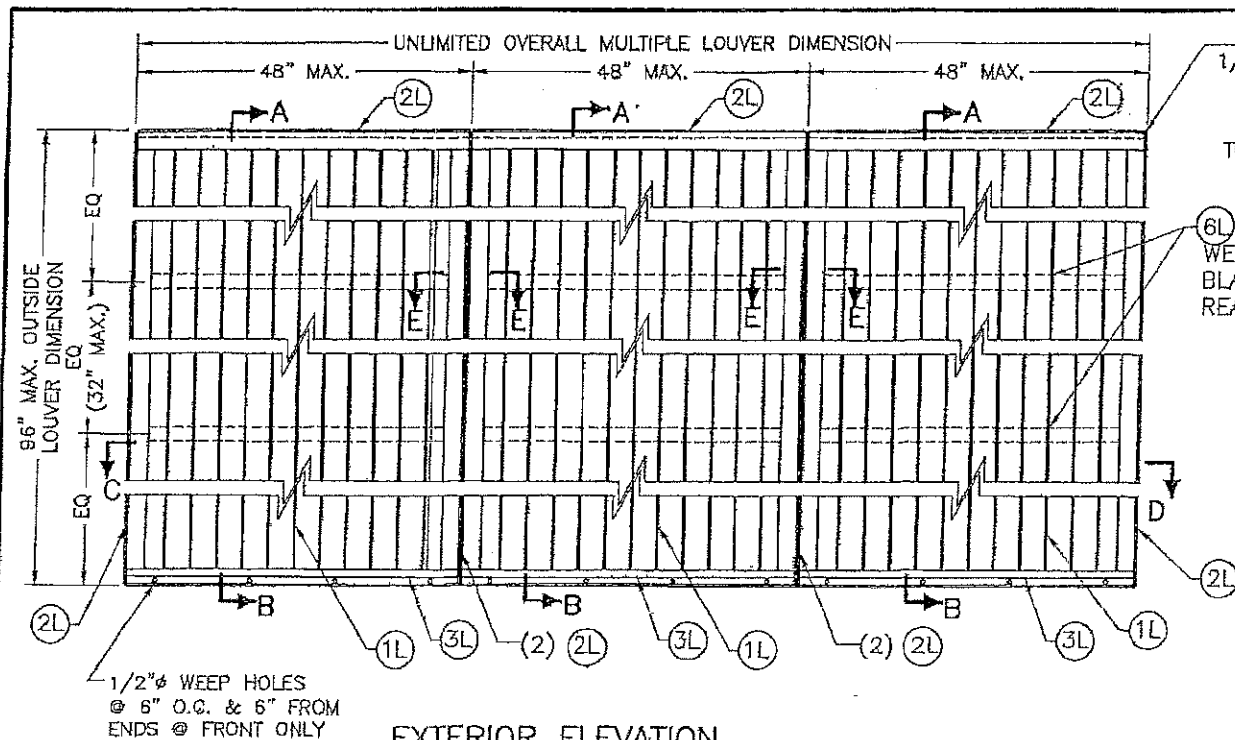
**United Enertech**  
3005 South Hickory Street  
Chattanooga, TN 37407  
Telephone: (423)698-7716

03/16/15  
DATE

15-027  
DRAWING No

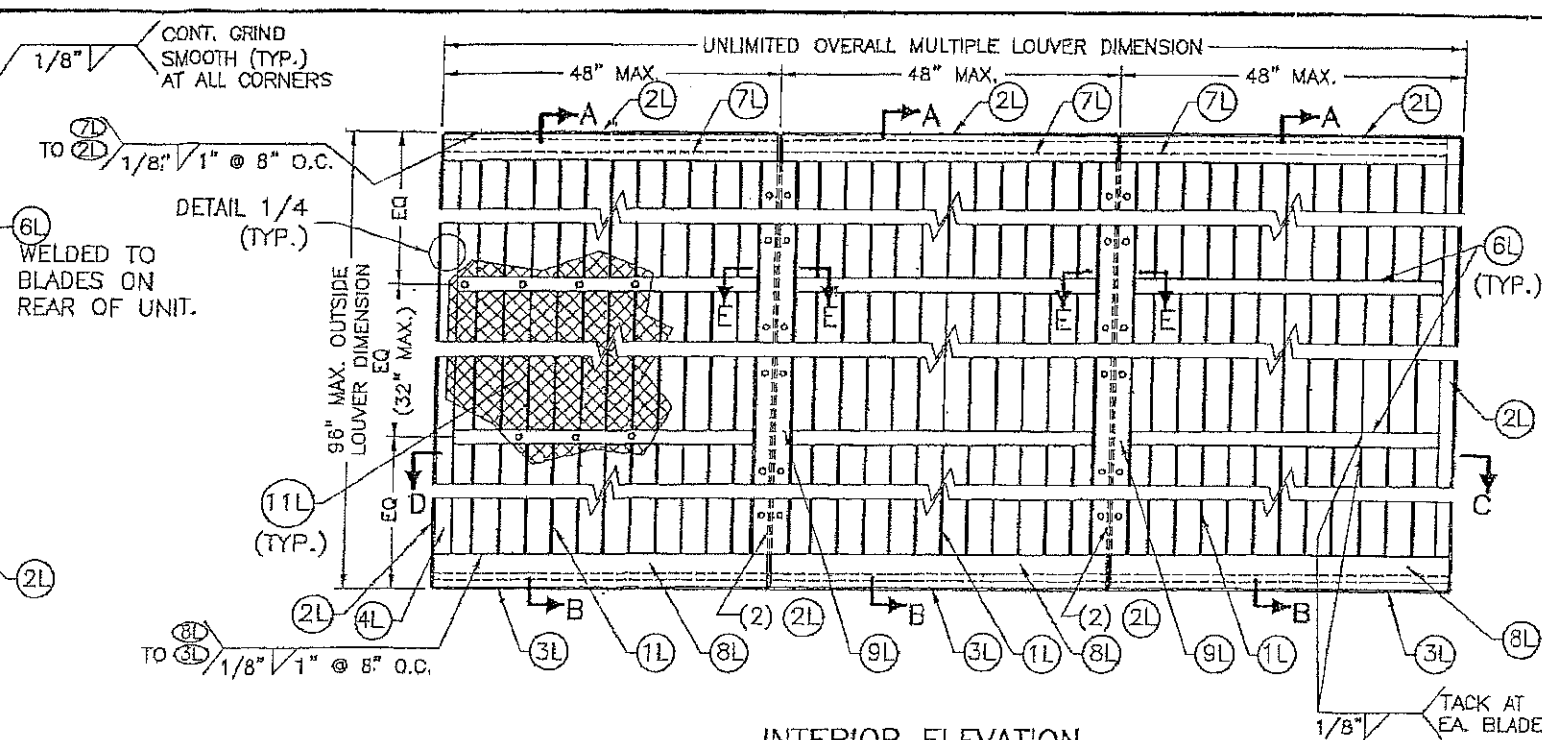
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 14-100	03/16/15	2		

SHEET 2 OF 7



EXTERIOR ELEVATION

SCALE: 1/2"=1'-0"

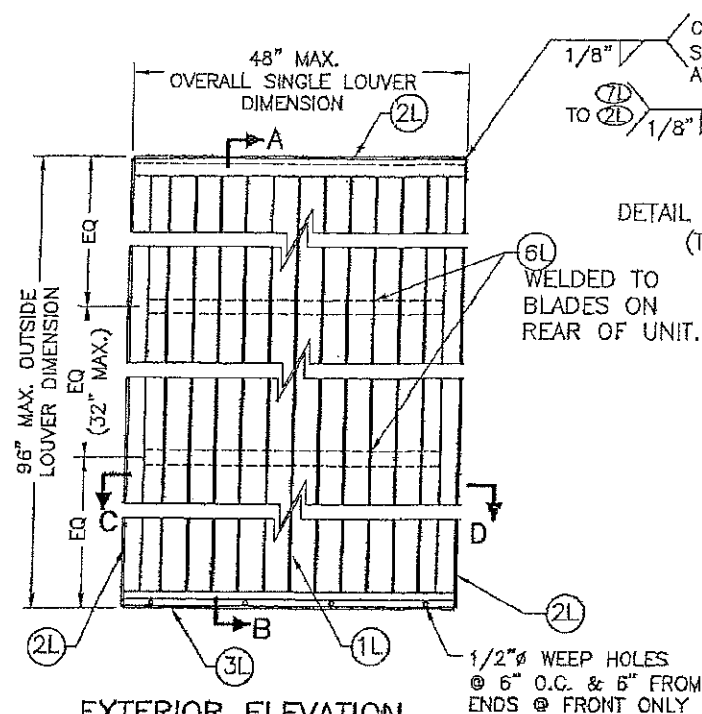


INTERIOR ELEVATION

SCALE: 1/2"=1'-0"

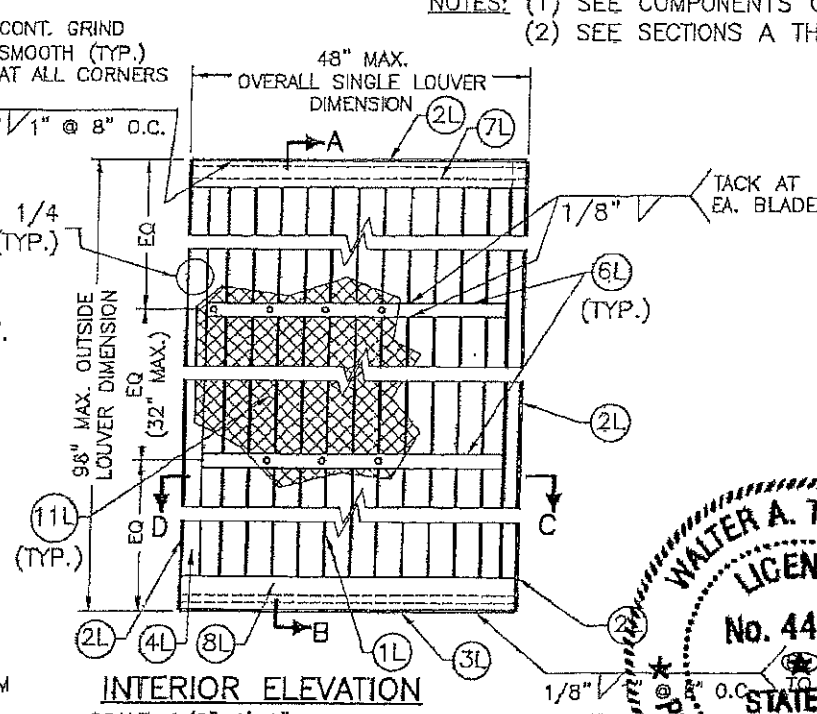
# MULTIPLE W-10D LOUVER UNITS

- NOTES: (1) SEE COMPONENTS ON SHEET 2.  
(2) SEE SECTIONS A THRU D ON SHEET 4.



EXTERIOR ELEVATION

SCALE: 1/2"=1'-0"



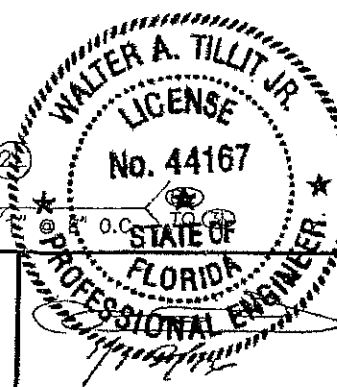
INTERIOR ELEVATION

SCALE: 1/2"=1'-0"

# SINGLE W-10D LOUVER UNITS

- NOTES: (1) SEE COMPONENTS ON SHEET 2.  
(2) SEE SECTIONS A THRU D ON SHEET 4.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-0209.14**  
Expiration Date **08/18/2020**  
By *[Signature]*  
**Miami-Dade Product Control**  
MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

© 2015 TILTECO, INC.  
**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 35th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone: (305)871-1530 • Fax: (305)871-1531  
EB-0006719  
WALTER A. TILLIT JR. P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-1013.13**  
Expiration Date **08/18/2020**  
By *[Signature]*  
**Miami-Dade Product Control**

W-10-D ALUMINUM LOUVER W/ OR  
W/O CD-151 DAMPER ASSEMBLY

**United Enertech**  
3005 South Hickory Street  
Chattanooga, TN 37407  
Telephone: (423)898-7715

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 14-100	03/16/15	2		
2			4		

DRAWN BY:  
F.R.L.

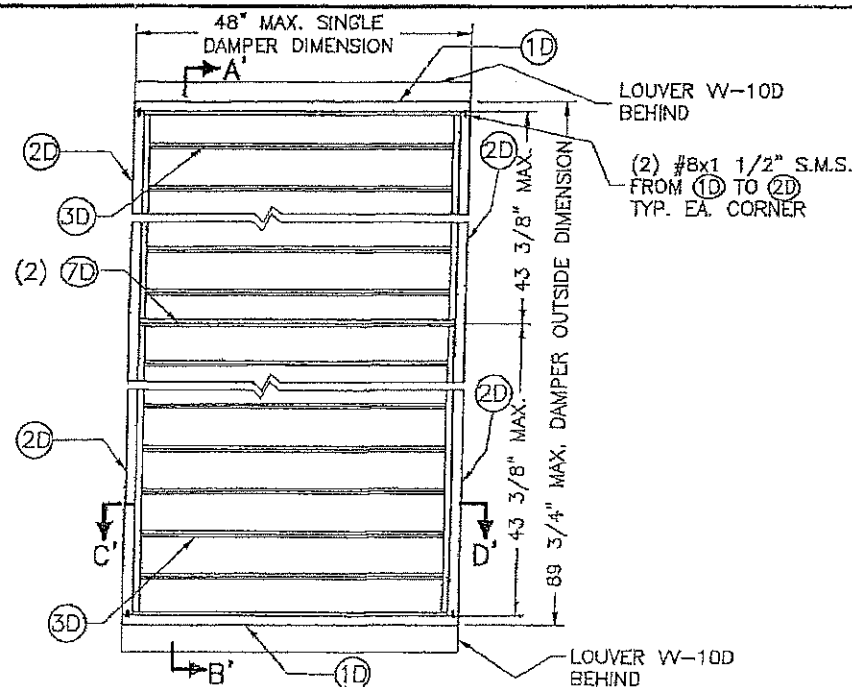
03/16/15  
DATE

15-027  
DRAWING No

SHEET 3 OF 7



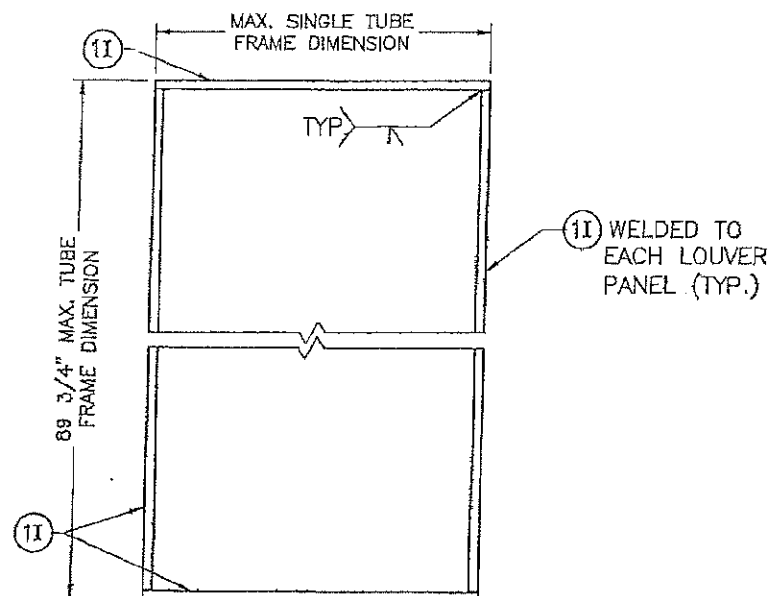




**INTERIOR ELEVATION  
CD-151 DAMPER SINGLE UNITS**

SCALE: 1/2"=1'-0"

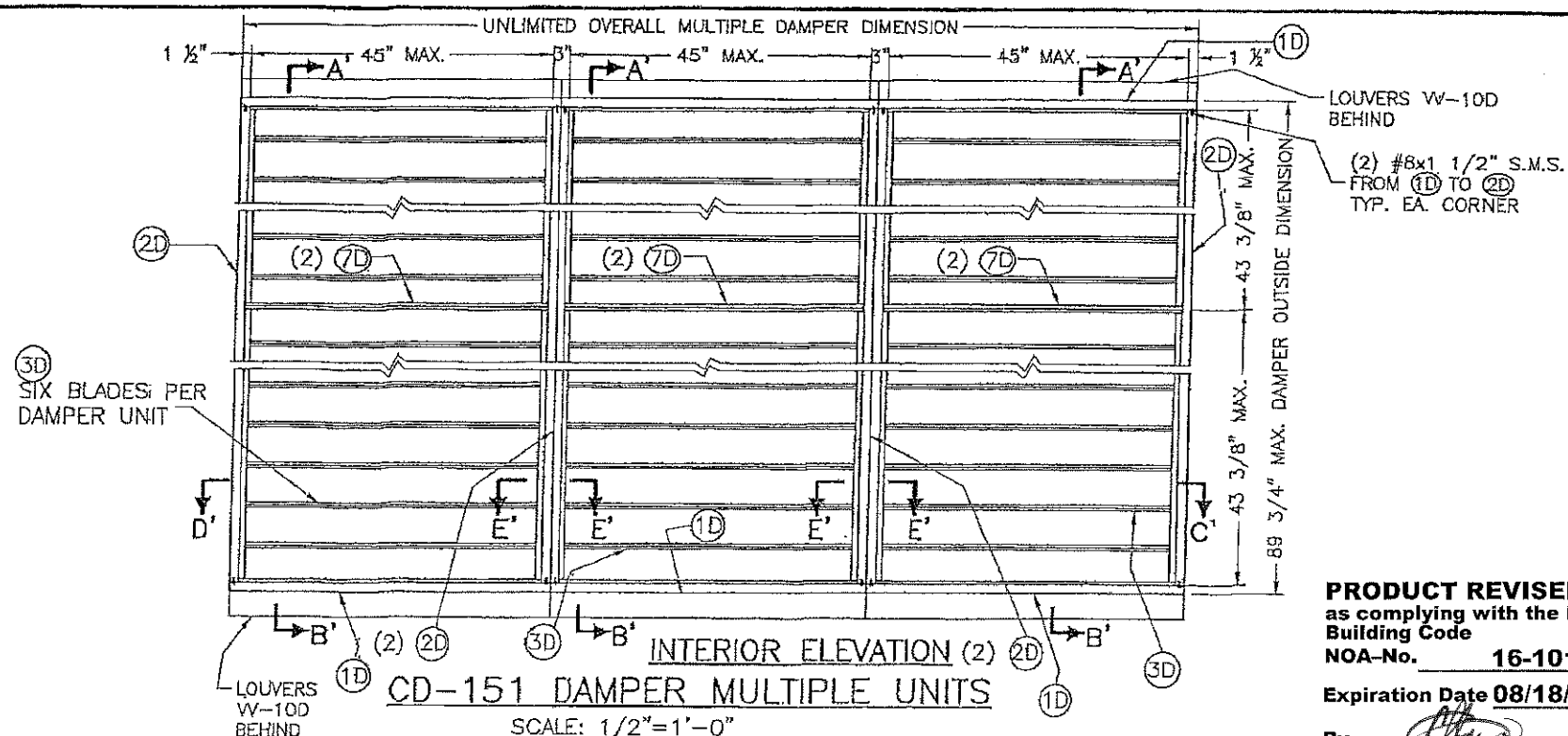
- (1) SEE COMPONENTS ON SHEET 2.  
(2) SEE SECTIONS A' THRU D' ON SHEET 4.



**ELEVATION**

**INTERMEDIATE TUBE FRAME FOR CD-151  
DAMPER ATTACHMENT AT SINGLE UNITS**

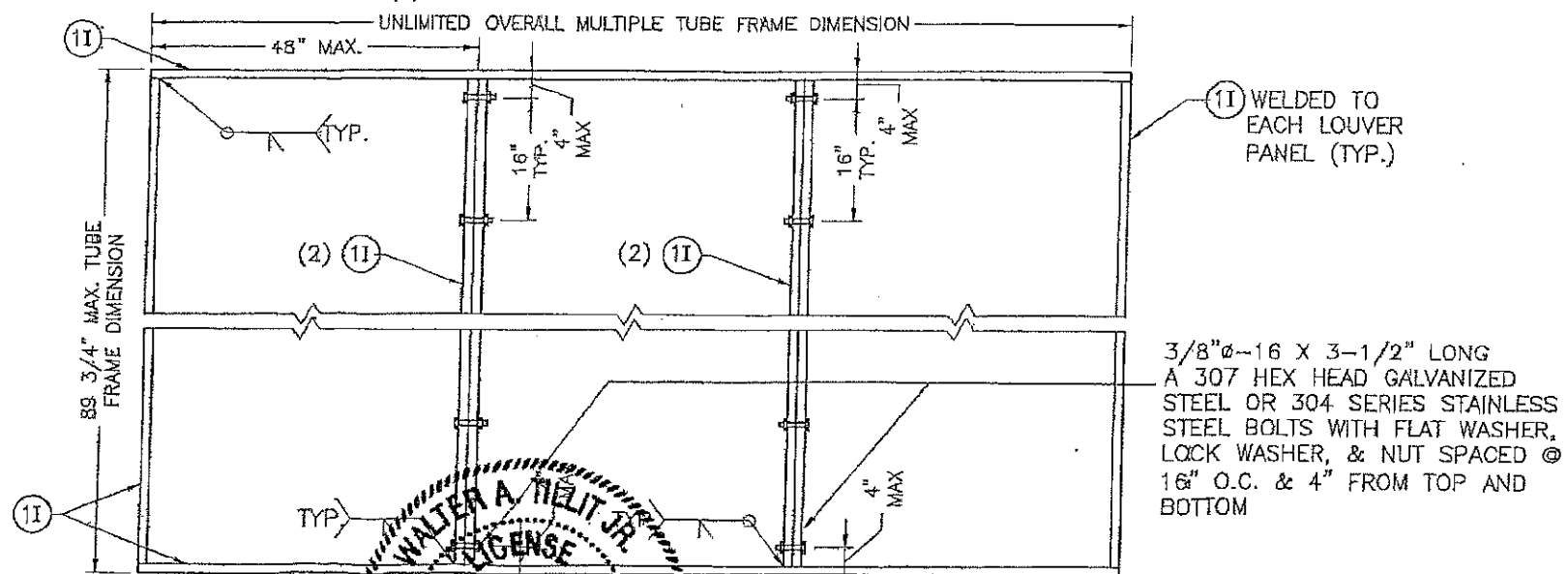
SCALE: 1/2"=1'-0"



**INTERIOR ELEVATION (2)  
CD-151 DAMPER MULTIPLE UNITS**

SCALE: 1/2"=1'-0"

- (1) SEE COMPONENTS ON SHEET 2.  
(2) SEE SECTIONS A' THRU D' ON SHEET 4.



**ELEVATION**

**DAMPER ATTACHMENT AT MULTIPLE UNITS**

3/8"Ø-16 X 3-1/2" LONG  
A 307 HEX HEAD GALVANIZED  
STEEL OR 304 SERIES STAINLESS  
STEEL BOLTS WITH FLAT WASHER,  
LOCK WASHER, & NUT SPACED @  
16" O.C. & 4" FROM TOP AND  
BOTTOM

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. **16-1013.13**

Expiration Date **08/18/2020**

By *[Signature]*  
**Miami-Dade Product Control**

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-0209.14**  
Expiration Date **08/18/2020**  
By *[Signature]*  
**Miami-Dade Product Control**  
MIAMI-DADE COUNTY

**WALTER A. TILLIT JR.**  
**ENGINEER**  
**No. 44167**  
**STATE OF FLORIDA**  
**PROFESSIONAL ENGINEER**

P.E. SEAL/SIGNATURE/DATE

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**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6335 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 32166  
Phone: (305) 871-1534 • Fax: (305) 871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

W-10-D ALUMINUM LOUVER W/ OR  
W/O CD-151 DAMPER ASSEMBLY

**United Energytech**  
3095 South Hickory Street  
Chattanooga, TN 37407  
Telephone: (423) 698-7715

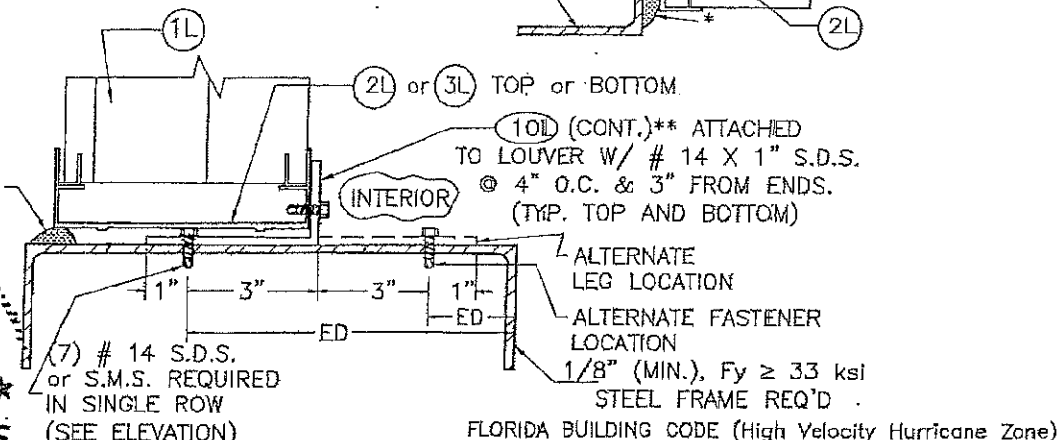
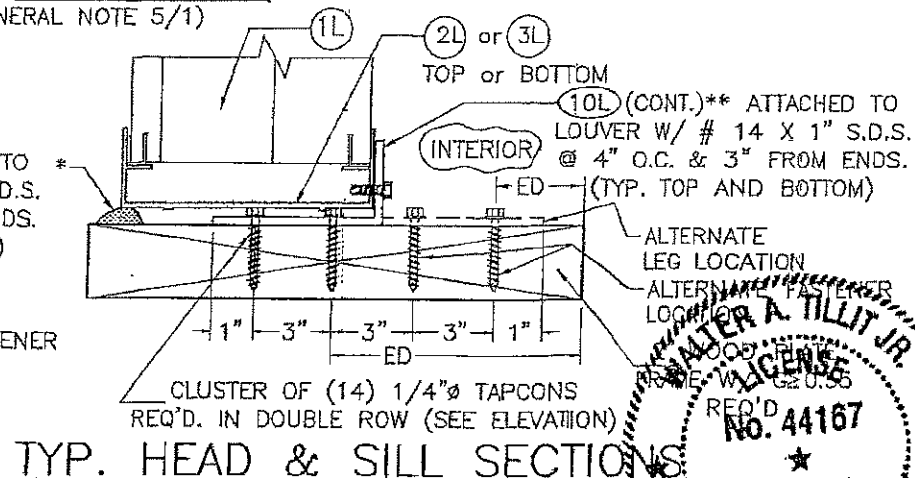
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2			3		


DRAWN BY:  
P.R.L.

03/16/15  
DATE

15-027  
DRAWING No

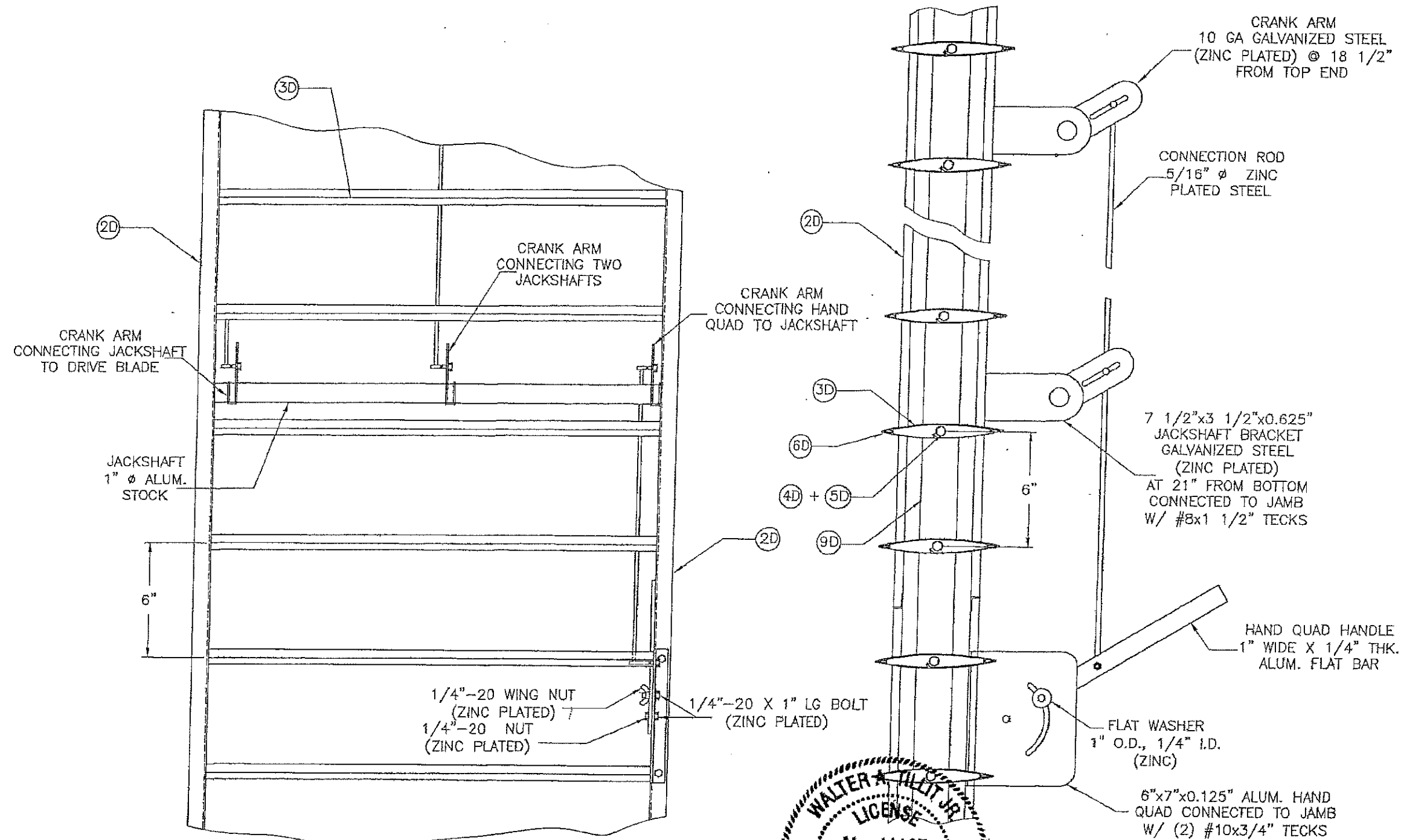
SHEET 2 OF 7



W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY		DRAWN BY: F.R.L.
 <b>United Erectech</b> 3005 South Hickory Street Chattanooga, TN 37407 Telephone: (423) 596-7715		03/18/15 DATE
		15-027 DRAWING No

						DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
1	OLD 14-100	03/16/15	1			SHEET 6 OF 7
2			1			



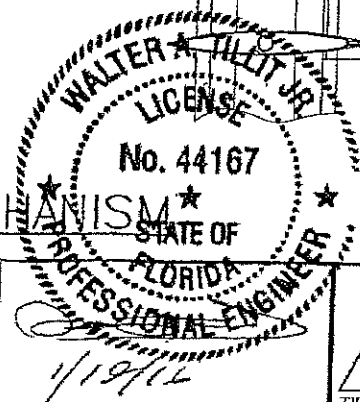


# HAND QUADRANT HANDLE MECHANISM

(SEE GENERAL NOTE 8/1)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-1013.13**  
Expiration Date **08/18/2020**  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-0209.14**  
Expiration Date **08/18/2020**  
By *[Signature]*  
Miami-Dade Product Control  
MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

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TILLIT TESTING & ENGINEERING COMPANY  
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Phone: (305) 871-1532 • Fax: (305) 871-1551  
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WALTER A. TILLIT JR., P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

WV-10-D ALUMINUM LOUVER W/ OR  
W/O CD-151 DAMPER ASSEMBLY

**United Enertech**  
3005 South Hickory Street  
Chattanooga, TN 37407  
Telephone: (423) 698-7715

DRAWN BY:  
F.R.L.

03/16/15  
DATE

15-027  
DRAWING No

SHEET 7 OF 7

REV. No.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	OLD 14-100	03/16/15	3		
2			4		